

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: David G. WHITTEN, et al.

GROUP ART UNIT: 1641

SERIAL NUMBER: 10/811,129

FILED: March 29, 2004

FOR: FLUORESCENT POLYMER-QTL APPROACH TO BIOSENSING

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Assistant Commissioner for Patents
PO BOX 1450
ALEXANDRIA, VA 22313-1450

Sir:

Applicant(s) wish(es) to disclose the following information.

REFERENCES

- ☒ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. Copies of the listed documents are attached, where required, as are either statements of relevancy or any readily available full or partial English translations of any non-English-language documents.

RELATED CASES

- ☐ Attached is a list of Applicant's(s') pending applications and issued patents which may be related to the present application. Copies of the documents, where required, are attached along with Form PTO-1449.

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application for the first time (to the knowledge of the undersigned, having made reasonable inquiry) not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.

BASIS FOR CONSIDERATION

This Information Disclosure Statement is filed:

- ☐ without fee and within three months of the filing date of the application.
- ☐ without fee and within three months of the date of entry of the U.S. national stage.
- ☐ without fee and before the mailing date of a first Office Action on the merits (to the knowledge of the undersigned).
- ☐ without fee and with the appropriate certification above.
- ☐ without fee and with a new CPA application.
- ☐ without fee and with a Request for Continued Examination.
- ☒ with fee and before the mailing date of any Final Office Action, Notice of Allowance or an action that otherwise closes prosecution (to the knowledge of the undersigned).
- ☐ with fee, appropriate certification above, and before payment of the Issue Fee.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 50-1442.

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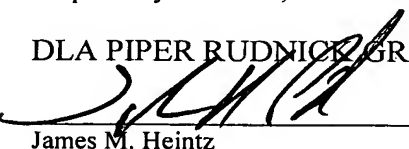
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Respectfully submitted,

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Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		DOCKET NO. 8971-039-27 DIV		SERIAL NO. 10/811,129			
		APPLICANT David G. WHITTEN, et al.					
		FILING DATE March 29, 2004		GROUP ART UNIT 1641			
LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if Necessary)							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AB						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AE						
	AF						
	AG						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AJ	Bergstedt, et al., "Superquenching of Fluorescent Polyelectrolytes and its Applications for Chemical and Biological Sensing", QTL Biosystems, LLC, pp. 2-8.					
	AK	Billmeyer, "Textbook of Polymer Science", Third Edition, pp. 1-4, (1984).					
	AL	Chen et al., "Highly sensitive biological and chemical sensors based on reversible fluorescence quenching in a conjugated polymer", PNAS, Vol. 96, No. 22, pp. 12287-12292, (1999).					
	AM	Chen et al., "Tuning the Properties of Conjugated Polyelectrolytes through Surfactant Complexation", J. Am. Chem. Soc., Vol. 122, pp. 9302-9303, (2000).					
	AN	Chen et al., "Surfactant-induced modification of quenching of conjugated polymer fluorescence by electron acceptors: applications for chemical sensing", Chemical Physics Letters, Vol. 330, pp. 27-33, (2000).					
	AO	Jones, et al., "Suprequeching and Its Application in J-Aggregated Cyanine Polymers", Langmuir, Vol. 17, pp. 2568-2571, (2001).					
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	AQ	Wang, et al., "Photoluminescence of Water-Soluble conjugated Polymers: Origin of Enhanced Quenching by Charge Transfer", Macromolecules, Vol. 33, pp. 5153-5158, (2000).					
	AR	Wang, et al., "Photoluminescence Quenching of conjugated Macromolecules by Bipyridinium Derivatives in Aqueous Media: Charge Dependence", Langmuir, Vol. 17, pp. 1262-1266, (2001).					
	AS	Whitten, et al., "From Superquenching to Biodetection: Building Sensors Based on Fluorescent Polyelectrolytes", Optical Sensors and Switches, Marcel Dekker, Inc., pp. 189-208, (2001).					
EXAMINER					DATE CONSIDERED		
*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							